*	Approved For Release 2002/08/07 : CARD 12 po 157R0	004900380010-0 TIAII	510 25X14445
	CLASSIFICATION SECRET/CONTROL - US OFFIC		25X1A
	CENTRAL MITELLIGENCE AGENCY	REPORT NO.	
	INFORMATION REPORT	CD NO.	
COUNTRY	USSR (Sverdlovsk Oblast)	DATE DISTR.	17 Oct. 1950
SUBJECT	Motorcycle Plant No. 38 in Irbit	NO. OF PAGES	7
PLACE ACQUIRED	TURN TO GIA LIBRARY	NO. OF ENCLS.	3
DATE OF INFO.	25X1X	SUPPLEMENT TO REPORT NO.	
	A. Location and Traffic Facilities		
25X1X 25X1X 25X1X 25X1X	In the eastern part of the town at the SVE railroad line. The plant had sour tracks in Annex 2 the plant location glass factory by		ot.
	B. Plant History		
25X1X 25X1X	The plant was moved from 10000 to IRBIT (in January 1942 and set brewery	Overdlovsk Oblas up in a former	st)
25X1X 25X1X	The machine installations were stored part buildings of the plant area tered places in the town area. The construction could be concentrated on the plant production could be concentrated on the plant area.	partly in scanding the buildings and	
25X1X 25X1X	Part of the installations were dismantled derman BMW Plant (including the EISEWACH - Plant) and some	machines of the L 51/H 76 - came from KHARK	υV
25X1X	All single parts for motorcycles were manu plant itself except saddles, dynamos, storspeedometers Cingle part sent for assembling to a plant in town up 1947. The assembled engines were then ret	age batteries and soft engines were to the Fall of	
25X1X	motorcycle plant	8:	ingle 25X1 the
(1	town plant. only mentioned an of the plant. The engine department was n	engine department oved from t <u>he b</u> r	nt <u>canch</u>
25X1X 25X1X	plant in town to the main plant in the Fal Sidecars were not built, only mo	unted, before	
25X1X 25X1X	October 1947. However, production of side	cars mas said to dop To. 22 (see	0
Loren	CLASSIFICATION SECRET/CONTROL - US OFFICE	ALS ONLY	 1
STATE ARMY #	NAVY NSRB PASTROCKET TO SEPTEMBER TO STRIBUTION CONFIDENTIAL III accordance with the letter of 16 October 1978 from the No Change IV	Class) H	
	letter of 16 October 1978 from the Director of Central Intelligence to the Archivist of the United States. Next Review Date: 2002/08/07: CIA-RP82-0447	H. Fe e 1	25X1

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25X1X 25X1X [The motor cycles were supplied for the Soviet rmy	
	C. Tlant Installations	
25X1X	(the following enumerations correspond to the num the sketch - plant Layout - in Annex 3). The plant lations were determined according to the indicati	III IIISUAL -
	Departments recorded:	
1.	Foundry Department	
25X1X [sisted of a steel, light metal and broaze round	It con-
	Installations:	
25X1X 25X1X 25X1X	chines, pattern-molding shop	ing ma-
25X1X	b. Light metal foundry shop. Two round electric about 6 x 5 feet, one square-shaped electric fur 10 x 6 feet. The three electric furnaces had a diameter of about 40 inches and a molten bath de about 24 inches. They were in constant operation	n inside
25X1X	c. Bronze foundry shop. An obsolete furnace.	Tan pin g
	Production:	
25X1X	forty to two hundred and fifty engine blocks wer	undred and e cast each
25X1X	five thousand blocks were on stock in the damp cyli	nder heads,
25X1X	casing and brake drums of aluminum.	Brake cycle
25X1X 25X1X	bushings were also manufactured	•
2,	Forge	
25X1X		
	a. Installations:	•
25X1X	One large and two small steam harmers, an electric six annealing furnaces with oil firing, two electrons upsetting machine and three punches. There and bath	
	b. Production:	
25X1X 25X1X 25X1X	Property and the property of the boots of the contract of the	. cornecting

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3	Tardening shop
25X1X	No details available.
4.	Department producing notorcycle parts
25X1X	
	a. Installations:
25X1X	Lathes, drilling machines, planers, milling and grinding machines
	b. Production:
	"ork on single parts.
25X1X 5.	Repairshop
	Used only for plant requirements.
25X1X 6.	Engine test shop
	No details available.
25X1X 7.	Ingine assembly and rear construction
25X1X	It was a new building according to The workshop was completed by the middle of 1947 The
25X1X	engine department formerly located in the town moved into this building
	a. Installations:
	Unknown.
	b. Production:
25X1X 25X1X	Assembly of engines and finishing production of gears engine parts were also manufactured).
25X1X 8.	Grinding shop
	No details available.
25X1X 9.	Lathe shop
	a. Installations:
25X1X	Costly large machines automatic machines for Cordan parts and hubs
25X1X	b. The production included Cardan parts and hubs
25X1X 98	. Llectric department
25X1X	Starters and dynamos were installed in this department
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•	TECRET-CONTROL/US OFFICIAL ONLY
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25X1X 10.	Soren department
	Installations:
25X1X	Twelve automatic screw cutting lathes
25X1X 11.	Processing of frames, tubes and plates
	a. Installations:
	Twelve German and American punches for frame parts, 18 lathes, milling machines and planers, 5 grinding machines and one American Churchill punch for fenders.
	b. Production:
	Frame parts, fenders, tank screwings, wing nuts, air filters, etc., bending of exhaust pipes, manufacture of mufflers, bargage grids.
	(1) Manufacture of fenders: 27x12-inch plates were cut from 80x32-inch plates (0.8 mm gauge) and submitted to rough-pressing in a large punch. In two additional punching operations, the roundings were punched as well as the holes for the frame-holding screws. The maximum output per shift was three hundred pieces.
	(2) Manufacture of hubs: 12x12-inch steel plates (about 15 pm gauge) cane from an outside plant and were out into the punch for rough-pressing. Punching of the spoke ring and turning of the hubs were done in two additional working operations.
	(5) Panufacture of frames: The motorcycle frame had eight parts. The material in its original form was a steel pipe 22 cm in diameter with a wall thickness of 2 mm. The eight parts were assembled in a mold after each part had been adjusted by preliminary precision grinding. Twenty minutes per frame was needed at the mold. In three following working stages the frames were completely welded and then adjusted. The frame was again put in a mold for mounting the plates for the foot rests, the tank, and the screws. Later the steering (?) heads were milled. The completed frames came last to the lacquer shop in the same building. There was a fixed norm of 14 frames per man and shift. The actual output per shift was 25 completed frames (painting included) with eight men employed at the punches and five men in the frame construction shop.
	In the same building, brake shoes were lined (asbestos),

25X1X

25X1X 12.

Assembly shop

wing nuts and other small parts were produced

Assembling was done on an assembly line about 100 feet long, along which 12 motorcycles could be arranged in tandem. The dried frames from the lacquer shop were placed on the assembly

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DECKEP-COMMOL/US OFFICIALS OTLY 25X1A CENTRAL INTELLIGENCE AGENCY line. Assembling of the wheels, fenders, tanks, steering columns, springs as well as the installation of the brakes, the lighting system and the searchlights was done successively. The completed engine and exhaust manifold were then installed. Test runs of the completed notorcycles were made outside the plant. Fart of the motorcycles were provided with a sidecar, but fitting of sidecars was not done 25X1X on the assembly line 25X1X 13. Administration It was in the same building as the lacquer shop. 25X1X 14. Compressor station No details available. 25X1X 15. Boiler Bouse Installations: A large and a small steam boiler up to 20 atm.gauge (coal firing). A 130 to 160-foot smoke stack 25X1 bo ler house heated the plant and supplied marm mater. 25X1X 25X1X 16. "ater lover St rage house for completed motorcycles 25X1X 3.7. Buildings of the former brewery 25X1X 18. Served as auxiliary "orkshops. 25X1X 19. Coal dump 25X1X 20. Tool department 25X1X 21. Fransformer station 6,600/380 volt. 'he existence of Sidecar workshop: 25X1X 22 • montioned on this site this workshop is doubtful. 25X1X workshop construction, not yet in operation. Installations also mentioned: colling mill (stated by only one source, not credible). Storage depot. Storage of single parts for motorcycles (dynamos, tires, various metals, etc.) 25X1X ter materials (round iron, 16 feet long and 5 to 20 mm in diameter, brass bars, steel and aluminum bars 16x8x6 inches, plates 80x32x0.5 inches, copper bars 25x12x4 inches, copper

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tubes 12.5 mm in diameter, wires and plates) were stored in

Two sheds of the fire department with recently built water basin. A test strip for running metoreveles was said

Upholstery shop. Worn upholstery and seats of sidecars

coming from outside were reconditioned

to be in the vicinity of the plant

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		C. Work Force and Working Time	
25X1X		The 1947 work force indications vary between four hund and a thousand Soviet workmen and three to four hundre per shift. Easy P's were employed as skilled laborers (33 percent	đ ™s
		D. Raw Materials and Power	
25X1X 25X1X 25X1X 25X1X	1.	A plant-owned power station was allegedly scheduled. Power was supplied from IRBIT through a transformer station	
25X1X	2.	law materials: Shipments of round iron and plates are in irregular intervals A plant for truck trailers was on the mestern edge of the town and a pla spark plugs was located in town. Both could supply ne	nt for
25X1X		parts	
		E. Production	
25X1X 25X1X 25X1X 25X1X 25X1X 25X1X	end. G	A two-cylinder motorcycle, 1772, with a piston displace of 750 cubic contineters, similar to the BET model, was duced. Fingle and sidecar motorcycles were manufactur However, sidecars were only mounted in the completed manufactur cycles during the time of observation Totorcycles with piston displacements and coo cubic centimeters and coo cubic centimeters were also produced.	ed. notor-
25X1X		Motorcycles with Cardan shaft, following the BIT designanufactured after early 1947. The attempted reproduct of DKT motorcycles (200 cubic-centimeter, two-cycle entras discontinued A new motorcycle, I 75, with a 35 HP engine (750 cubic	stion gines)
25X1X		centimeter piston displacement; was manufactured after nugust 1948 and press publications.	•
25X1X		All motorcycles were laccuered olive-freen (.rny color	:)
25X1X 25X1X 25X1X	2	The indications on the monthly output are not always reliable the cuota for the same neriod was 1,7 motorcycles.	
25X1X		(monthly out 750 motorcycles) are probably more accurate. This mot cycle output would also agree with the monthly output	tor-
25X1X		engine blocks (a thousand units)	
25X1		3 winexes: 1. 2. Totoreycle Plant No. 38 (?) in TRBIT	

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regend	to Arnex 3
1 2 3	Foundry Forge Hardening shop
4	Department for the construction of engine parts
5	Repairshop
6	Engine test shop
7	Assembly of engines and gear construction
8 9	Grinding shop
9a	Latheshop
10	Electric department Screw department
11	Frame, pipe, and plate working
12	Assembly shop
13	Administration
14	Compressor station
15	Boiler house
16	"ater tower
17	Storage depot for completed notorcycles
18	Buildings of the former brevery
19	Coal dump
20	Pool department
21	Transformer station
22	decar workshop

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